

WHAT IS CLAIMED IS:

1. A method comprising;
obtaining a base signal including a plurality of signal components;
performing a pyramidal decomposition of the base signal to generate a first decomposed signal;
increasing the ratio of a desired signal component of the first decomposed signal to other signal components of the first decomposed signal to generate a first modified signal; and
recomposing the first modified signal to generate an improved base signal.
2. The method as in Claim 1, wherein increasing the ratio includes increasing the desired signal component.
3. The method as in Claim 2, wherein increasing the desired signal component is performed by guiding a sheep artifact with a shepherd artifact.
4. The method as in Claim 1, wherein increasing the ratio includes filtering the other signal components
5. The method as in Claim 4, wherein filtering is includes using a match blur.
6. The method as in Claim 4, wherein filtering includes streak removal.
7. The method as in Claim 1, further including:
performing a pyramidal decomposition of the first modified signal to generate a second decomposed signal;
increasing the ratio of a desired signal component of the second decomposed signal to other signal components of the second decomposed signal to

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6 generate a second modified signal; and
7 recomposing the modified second decomposed signal to generate a first
8 recomposed signal.

1 8. The method as in Claim 7, further including:
2 combining the first recomposed signal with the second modified signal to
3 generate a first improved signal.

1 9. The method as in Claim 7, further including:
2 combining the first recomposed signal with the second decomposed signal to
3 generate a first improved signal.

1 10. The method as in Claim 1, wherein said base signal is a digital representation
of an analog signal.

- 1 11. A method comprising;
2 obtaining a digital base image, the base image including a plurality of image
3 components;
4 performing a first pyramidal decomposition of the base image to generate a
5 first decomposed image;
6 increasing the ratio of a desired image component of the first decomposed
7 image to other image components of the first decomposed image to
8 generate a first modified image;
9 performing a pyramidal decomposition of the first modified image to generate
10 a second decomposed image;
11 increasing the ratio of a desired image component of the second decomposed
12 image to other image components of the second decomposed image to
13 generate a second modified image;
14 recomposing the second modified image to generate a first recomposed image;
15 combining the first recomposed image with the first modified image to
16 generate an improved first image;
17 recomposing the improved first image to generate an improved base image.
- 1 12. The method as in Claim 11, wherein increasing the ratio includes increasing
2 the desired image component.
- 1 13. The method as in Claim 12, wherein increasing the desired image component
2 is performed by guiding a sheep artifact with a shepherd artifact.
- 1 14. The method as in Claim 11, wherein increasing the ratio includes filtering the
2 other image components
- 1 15 The method as in Claim 14, wherein filtering is includes using a match blur.

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16. The method as in Claim 15, wherein filtering includes streak removal.

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1 17. A digital film development system comprising:
2 a film processing system, said film processing system including an image
3 capturing station capable of obtaining sets of data representing an
4 image formed in film ; and
5 a data processing system, said data processing system including:
6 a processor;
7 memory operably coupled to said processor; and
8 a program of instructions capable of being stored in said memory and
9 executed by said processor, said program of instructions
10 including instructions for:
11 obtaining a base signal including a plurality of signal
12 components;
13 performing a pyramidal decomposition of the base signal to
14 generate a first decomposed signal;
15 increasing the ratio of a desired signal component of the first
16 decomposed signal to other signal components of the
17 first decomposed signal to generate a first modified
18 signal; and
19 recomposing the first modified signal to generate an improved
20 base signal.

1 18. The method as in Claim 17, wherein increasing the ratio includes increasing
2 the desired signal component.

1 19. The method as in Claim 18, wherein increasing the desired signal component
2 is performed by guiding a sheep artifact with a shepherd artifact.

1 20. The method as in Claim 17, wherein increasing the ratio includes filtering the
2 other signal components

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- 1 21. The method as in Claim 20, wherein filtering is includes using a match blur.
- 1 22. The method as in Claim 20, wherein filtering includes streak removal.
- 2 23. The method as in Claim 17, further including:
3 performing a pyramidal decomposition of the first modified signal to generate
4 a second decomposed signal;
5 increasing the ratio of a desired signal component of the second decomposed
6 signal to other signal components of the second decomposed signal to
7 generate a second modified signal; and
8 recomposing the modified second decomposed signal to generate an improved
9 first decompose a first recomposed signal.
- 1 24. The method as in Claim 23, further including:
2 combining the first recomposed signal with the second modified signal to
3 generate a first improved signal.
- 1 25. The method as in Claim 23, further including:
2 combining the first recomposed signal with the second decomposed signal to
3 generate a first improved signal.
- 1 26. The method as in Claim 1, wherein said base signal is a digital representation
2 of an analog signal.

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1 27. A digital image tangibly embodied in a computer readable medium, said
2 digital image generated according to a method comprising:
3 obtaining a digital base image, the base image including a plurality of
4 image components;
5 performing a first pyramidal decomposition of the base image to
6 generate a first decomposed image;
7 increasing the ratio of a desired image component of the first
8 decomposed image to other image components of the first
9 decomposed image to generate a first modified image;
10 performing a pyramidal decomposition of the first modified image to
11 generate a second decomposed image;
12 increasing the ratio of a desired image component of the second
13 decomposed image to other image components of the second
14 decomposed image to generate a second modified image;
15 recomposing the second modified image to generate an improved first
16 first recomposed image;
17 combining the first recomposed image with the first modified image to
18 generate an improved first image;
19 recomposing the improved first image to generate an improved base
20 image.

1 28. The digital image as in Claim 27, wherein increasing the ratio includes
2 increasing the desired image component.

1 29. The digital image as in Claim 28, wherein increasing the desired image
2 component is performed by guiding a sheep artifact with a shepherd artifact.

1 30. The digital image as in Claim 28, wherein increasing the ratio includes
2 filtering the other image components

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1 31. The digital image as in Claim 30, wherein filtering is includes using a match
2 blur.

1 32. The digital image as in Claim 30, wherein filtering includes streak removal.